

In re Application of LUCOVSKY et al.
Serial No. 10/021,563

Listing of the Claims:

1-3 (Canceled)

4. (currently amended) In a computer network, a method comprising,
receiving a request from a device having a service running thereon
using a service to service protocol to retrieve inbox data from a data store, the
request including associated identity information;

reading from a the data store to obtain inbox data in response to the
request, wherein access to the data store is based on the associated identity
information;

constructing an inbox document including at least part of the
requested inbox data, the document arranged according to and including at least
part of a defined schema for inbox data in a markup language, the defined schema
providing structure and meaning to the inbox data and interpreted by the service
running on the device; and

returning the inbox document to the device in response to the
request.

5. (original) The method of claim 4 wherein the schema comprises at
least one defined field for extending the schema.

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6. (currently amended) The method of ~~claim 5 wherein the at least one defined field comprises data~~ claim 4 wherein the schema comprises at least one defined field corresponding to an inbox display name.
7. (currently amended) The method of ~~claim 5 wherein the at least one defined field comprises data~~ claim 4 wherein the schema comprises at least one defined field corresponding to a simple-mail-transfer-protocol mail account.
8. (currently amended) The method of ~~claim 5 wherein the at least one defined field comprises data~~ claim 4 wherein the schema comprises at least one defined field corresponding to a sender's email address.
9. (currently amended) The method of ~~claim 5 wherein the at least one defined field comprises data~~ claim 4 wherein the schema comprises at least one defined field corresponding to a recipient's email address.
10. (currently amended) The method of ~~claim 5 wherein the at least one defined field comprises data~~ claim 4 wherein the schema comprises at least one defined field corresponding to a subject of an email.
11. (currently amended) The method of claim ~~claim 5 wherein the at least one defined field comprises data~~ claim 4 wherein the schema comprises at least one defined field corresponding to an incoming server name.

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12. (currently amended) The method of ~~claim 5 wherein the at least one defined field comprises data~~ claim 4 wherein the schema comprises at least one defined field corresponding to an outgoing server name.

13. (currently amended) The method of ~~claim 5 wherein the at least one defined field comprises data~~ claim 4 wherein the schema comprises at least one defined field corresponding to a password.

14. (currently amended) The method of ~~claim 5 wherein the at least one defined field comprises data~~ claim 4 wherein the schema comprises at least one defined field corresponding to a user name.

15. (currently amended) The method of ~~claim 5 wherein the at least one defined field comprises data~~ claim 4 wherein the schema comprises at least one defined field corresponding to a size of an email.

16. (currently amended) The method of ~~claim 5 wherein the at least one defined field comprises data~~ claim 4 wherein the schema comprises at least one defined field corresponding to a date of an email.

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17. (currently amended) The method of ~~claim 5 wherein the at least one defined field comprises data~~ claim 4 wherein the schema comprises at least one defined field data corresponding to content of an email.

18. (currently amended) The method of ~~claim 5 wherein the at least one defined field comprises data~~ claim 4 wherein the schema comprises at least one defined field corresponding to an attachment to an email.

19. (currently amended) A computer-readable medium having computer-executable instructions for:

receiving a request from a device having a service running thereon using a service to service protocol to retrieve inbox data from a data store, the request including associated identity information;

reading from a the data store to obtain inbox data in response to the request, wherein access to the data store is based on the associated identity information;

constructing an inbox document including at least part of the requested inbox data, the document arranged according to and including at least part of a defined schema for inbox data in a markup language, the defined schema providing structure and meaning to the inbox data and interpreted by the service running on the device; and

returning the inbox document to the device in response to the request.

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20. (previously presented) The computer-readable medium of claim 19 wherein the schema comprises at least one defined field for extending the schema.

21. (currently amended) In a computer network, a method comprising:
accessing a network using a device, the accessing including
providing associated identity information corresponding to the device;
requesting data from a service accessible via the network, the
request based on the associated identity information;
determining if the request is an allowable request based on the
associated identity information; and
if the request is allowable, returning a document to the device having
device, the document including at least part of the requested data, ~~the document~~
~~arranged according to~~ and including at least part of a schema in a markup
language associated with the a service running on the device, the schema
providing structure and meaning to the inbox data and interpreted by the service.

22. (previously presented) The method of claim 21 wherein the
document comprises an inbox document.

23. (previously presented) The method of claim 21 wherein the data
comprises inbox data.

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24. (previously presented) The method of claim 21 wherein the service comprises an inbox service.

25. (previously presented) The method of claim 21 wherein the schema comprises an inbox schema.

26. (previously presented) The method of claim 21, further comprising manipulating the data requested if the request is determined to be an allowable request.

27. (previously presented) The method of claim 26 wherein the manipulating comprises a query manipulation.

28. (previously presented) The method of claim 26 wherein the manipulating comprises an insert manipulation.

29. (previously presented) The method of claim 26 wherein the manipulating comprises a delete manipulation.

30. (previously presented) The method of claim 26 wherein the manipulating comprises an update manipulation.

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31. (previously presented) The method of claim 26 wherein the manipulating comprises a replace manipulation.

32. (previously presented) The method of claim 26 wherein the manipulating comprises a send message manipulation.

33. (previously presented) The method of claim 26 wherein the manipulating comprises a save message manipulation.

34. (previously presented) The method of claim 26 wherein the manipulating comprises a copy message manipulation.

35. (currently amended) A computer-readable medium having computer-executable instructions for:

requesting data from a service accessible via a network, the request based on associated identity information;

determining if the request is an allowable request based on the associated identity information; and

if the request is allowable, constructing a document in response to the request, the document having including at least part of the requested data and including at least part of ~~arranged according to~~ a schema in a markup language associated with the service, the schema providing structure and meaning to the inbox data and interpreted by the service.

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36. (previously presented) The computer-readable medium of claim 35 having further computer-executable instructions for sending the constructed document to a source of the request.

37. (previously presented) The computer-readable medium of claim 35 having further computer-executable instructions for determining if the request is an allowable request based on the associated identity information.

38. (previously presented) The computer-readable medium of claim 35 having further computer-executable instructions for manipulating data stored in a data store based on the request for data.

39. (previously presented) The computer-readable medium of claim 35 having further computer-executable instructions for denying the request for data based on the associated identity information.

40. (previously presented) The computer-readable medium of claim 35 having further computer-executable instructions for constructing the document in an extensible markup language.

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41. (currently amended) In a computer network, a method comprising:
receiving a request to manipulate inbox data in a logical inbox
document, the request including associated identity information;
determining a scope of access rights based on the identity
information, the scope determined according to an inbox schema having inbox-
related fields, wherein at least part of the inbox schema is included in arranged into
a content document in a markup language with defined structures for the fields;
and

If the request is within the scope, manipulating at least one set of data
in the logical inbox document that includes data therein according to the associated
identity information, each set of data in the logical inbox document structured to
correspond to a field in the content document.

42. (previously presented) The method of claim 41 wherein manipulating
at least one set of data comprises reading data from at least one field in the logical
inbox document.

43. (previously presented) The method of claim 41 wherein manipulating
at least one set of data comprises writing data to at least one field in the logical
inbox document.